Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/16/2018 09:14 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124629	-1	1.68	124690	1.66
Blue	F	SSC	125000	123286	-2	3.11	124176	3.02
Blue	E	FITC	15492	15143	-3	3.40	351	21.73
Blue	D	PE	28736	28052	-3	2.62	618	15.99
Blue	B	PerCP-Cy5-5	41413	41716	0	5.41	1157	22.70
Blue	A	PE-Cy7	31321	32039	2	9.83	592	47.78
Red	C	APC	41673	40849	-2	2.88	1581	13.30
Red	A	APC-Cy7	29962	29687	-1	3.99	755	13.43
Violet	B	V450	8318	7987	-4	4.40	443	14.56
Violet	A	V500	34199	33621	-2	4.17	806	11.37

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20278	4.32	606	-7	N/A	N/A	Pass
Blue	F	SSC	55833	2.53	573	5	N/A	N/A	Pass
Blue	E	FITC	59	76.03	556	-5	0.0168	247	Pass
Blue	D	PE	122	58.57	555	-5	0.1493	357	Pass
Blue	B	PerCP-Cy5-5	213	55.73	664	-3	0.0076	77	Pass
Blue	A	PE-Cy7	115	119.00	721	-1	0.0091	27	Pass
Red	C	APC	363	28.45	600	-1	0.0194	133	Pass
Red	A	APC-Cy7	188	31.77	576	0	0.0057	2330	Pass
Violet	B	V450	66	71.57	472	-5	0.0476	2754	Pass
Violet	A	V500	115	41.10	490	-4	0.0201	1401	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.31	-31.98	1.15
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.51
Red	17.53	13.60 - 20.40	N/A	N/A	29.24	29.70	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 10659

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments